

557-704

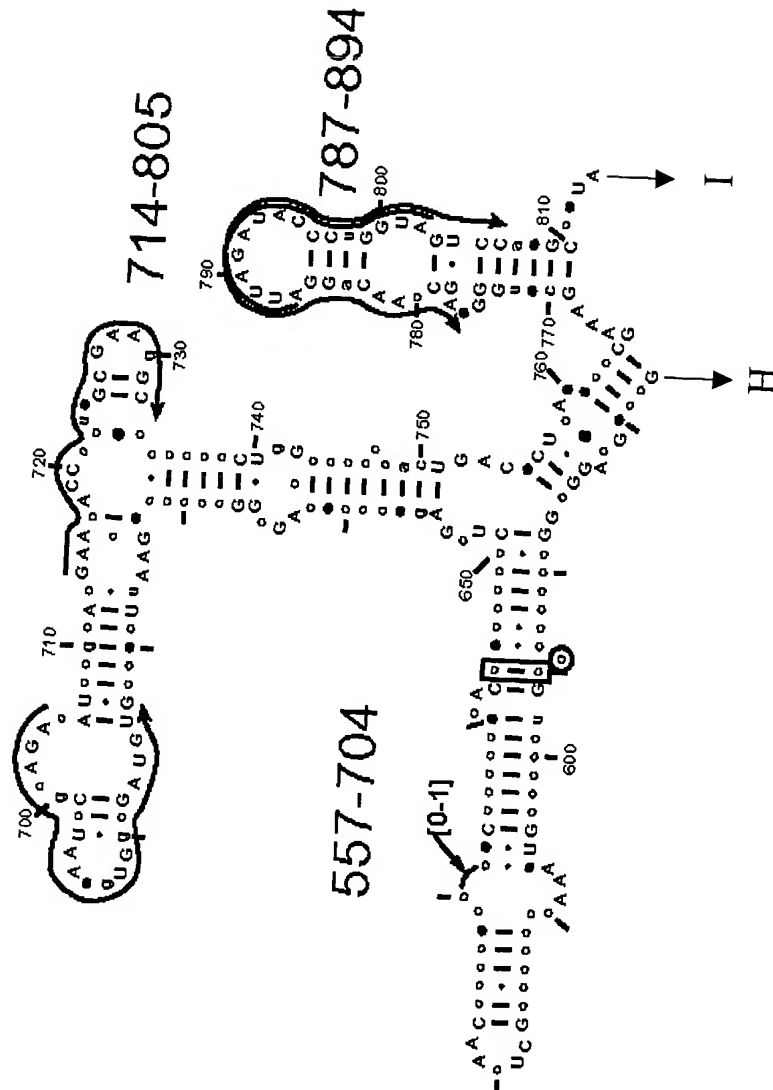
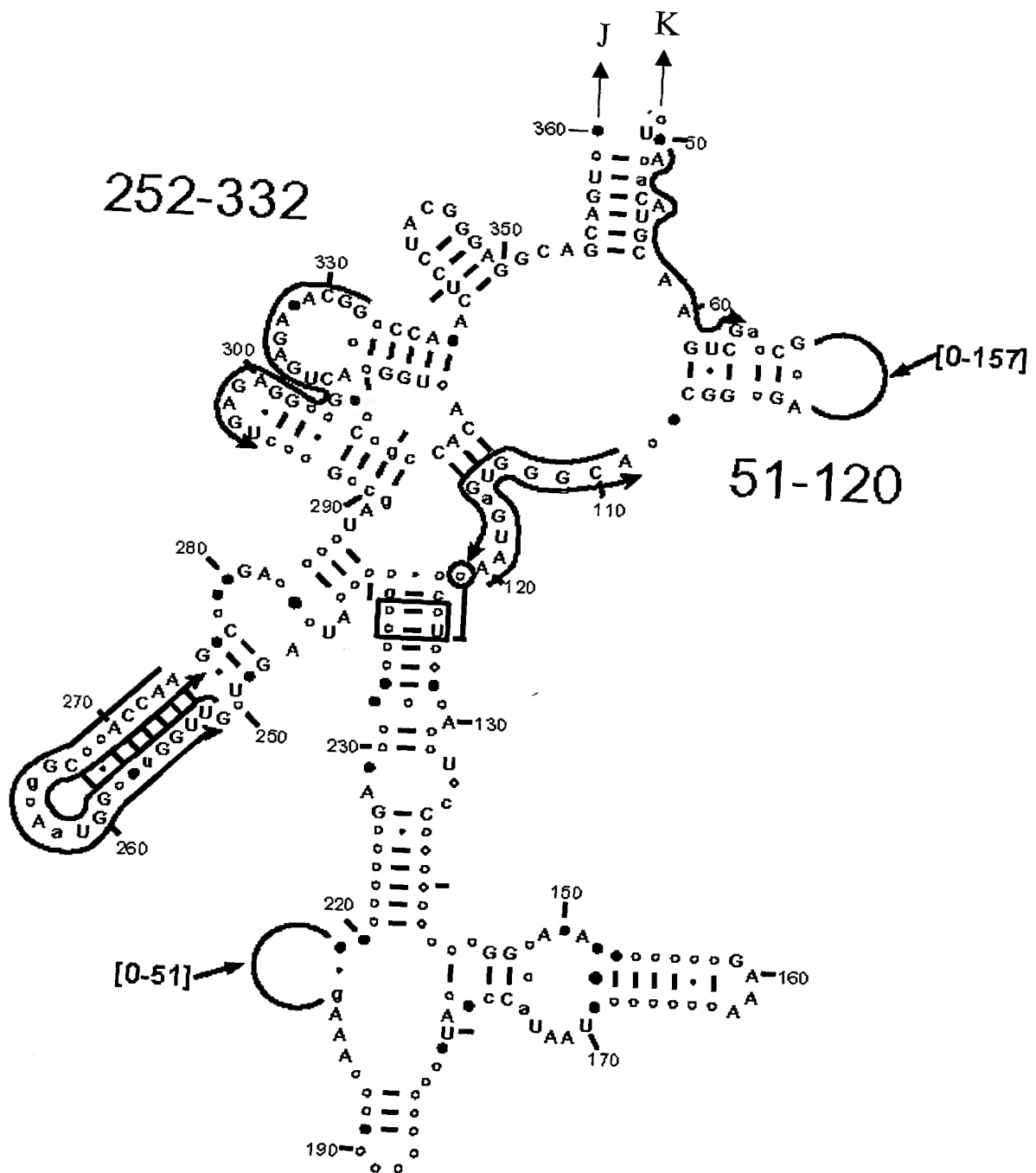


FIG. 1A-4



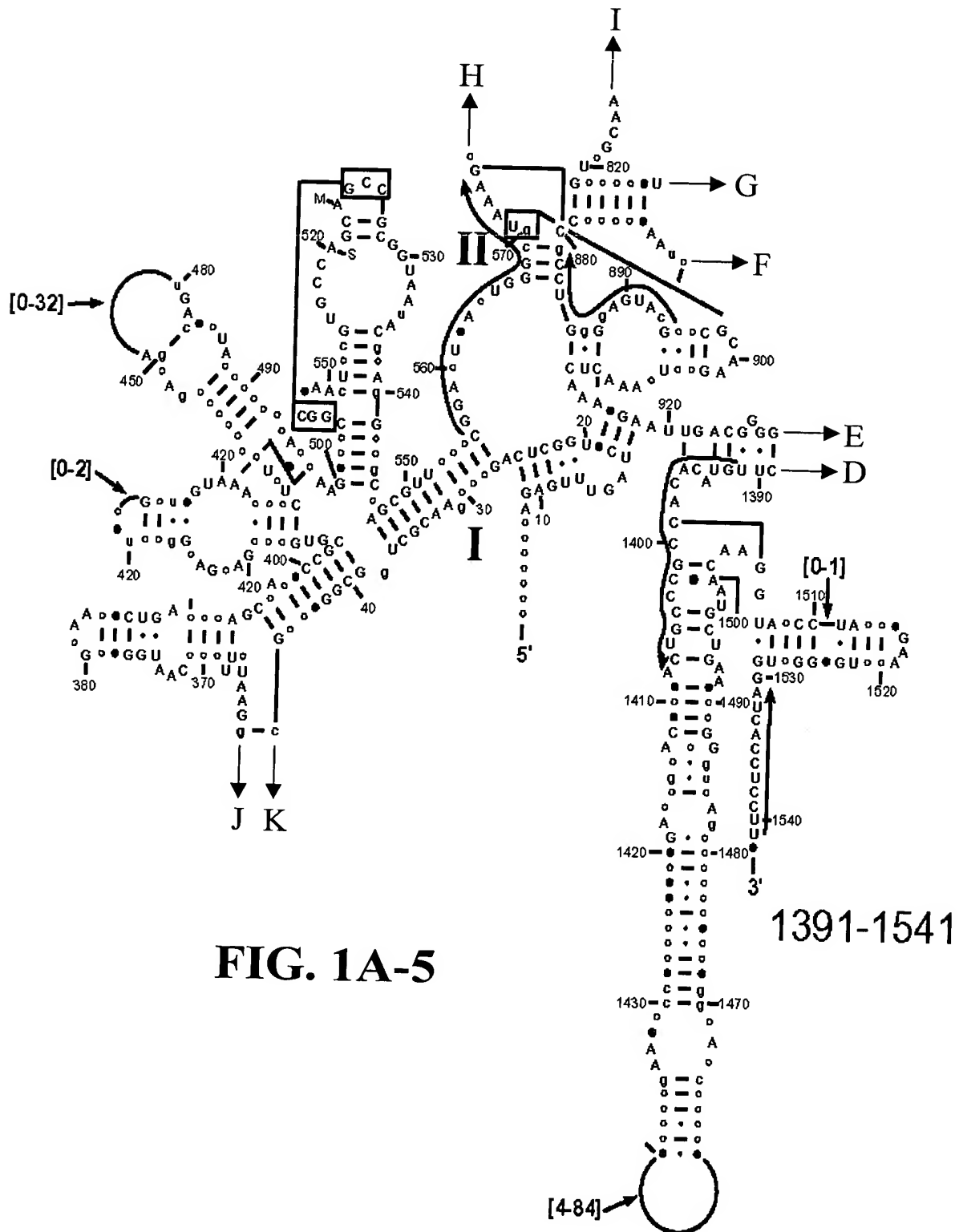


FIG. 1B

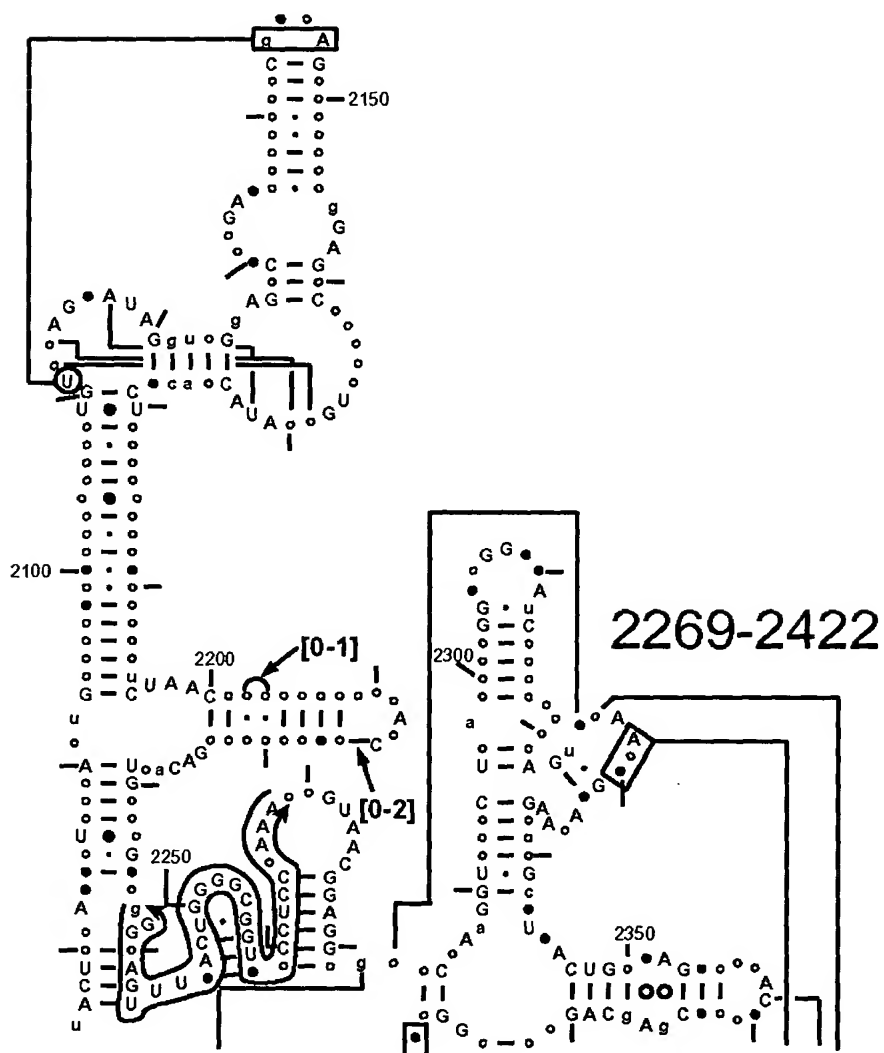


FIG. 1C

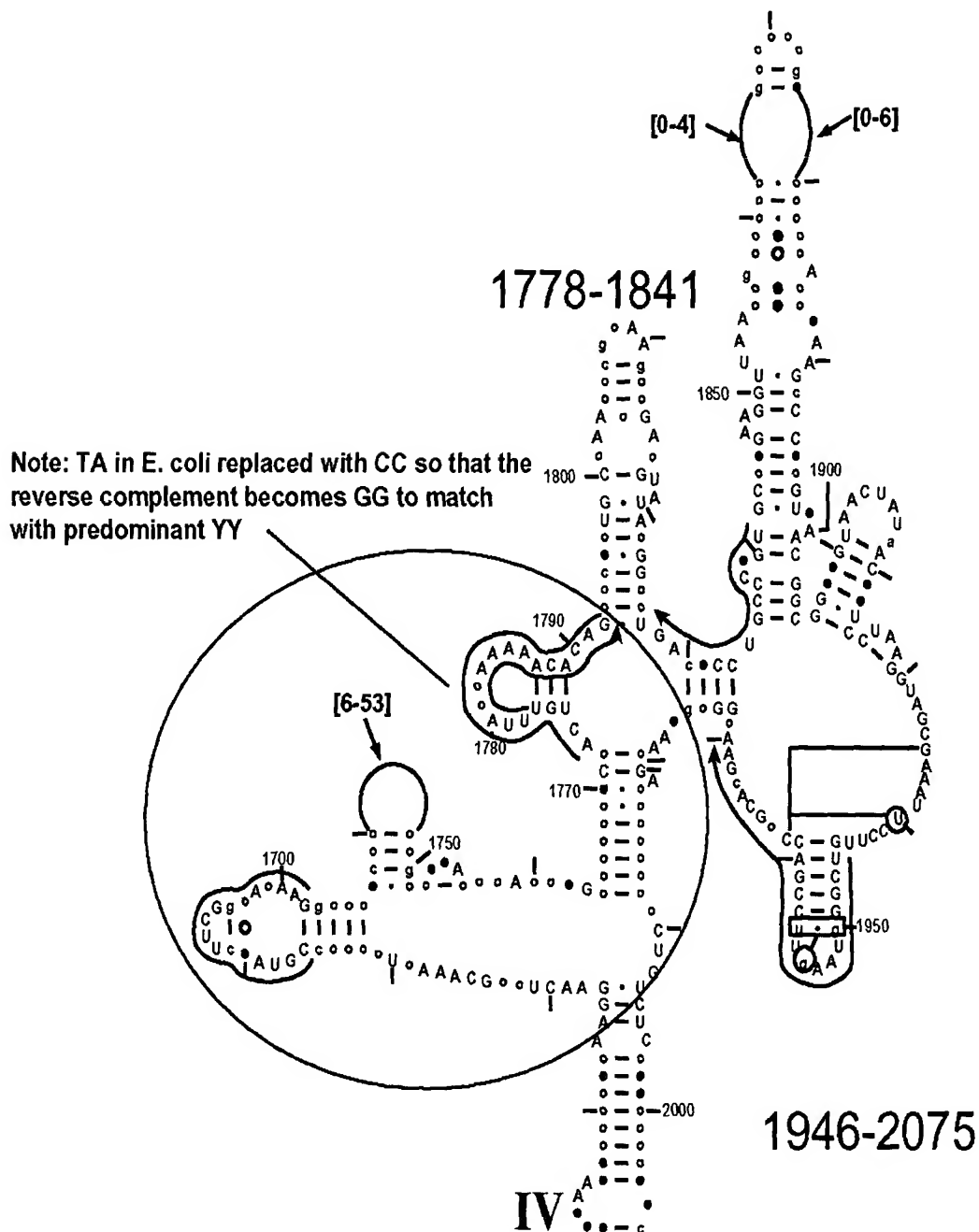


FIG. 1D

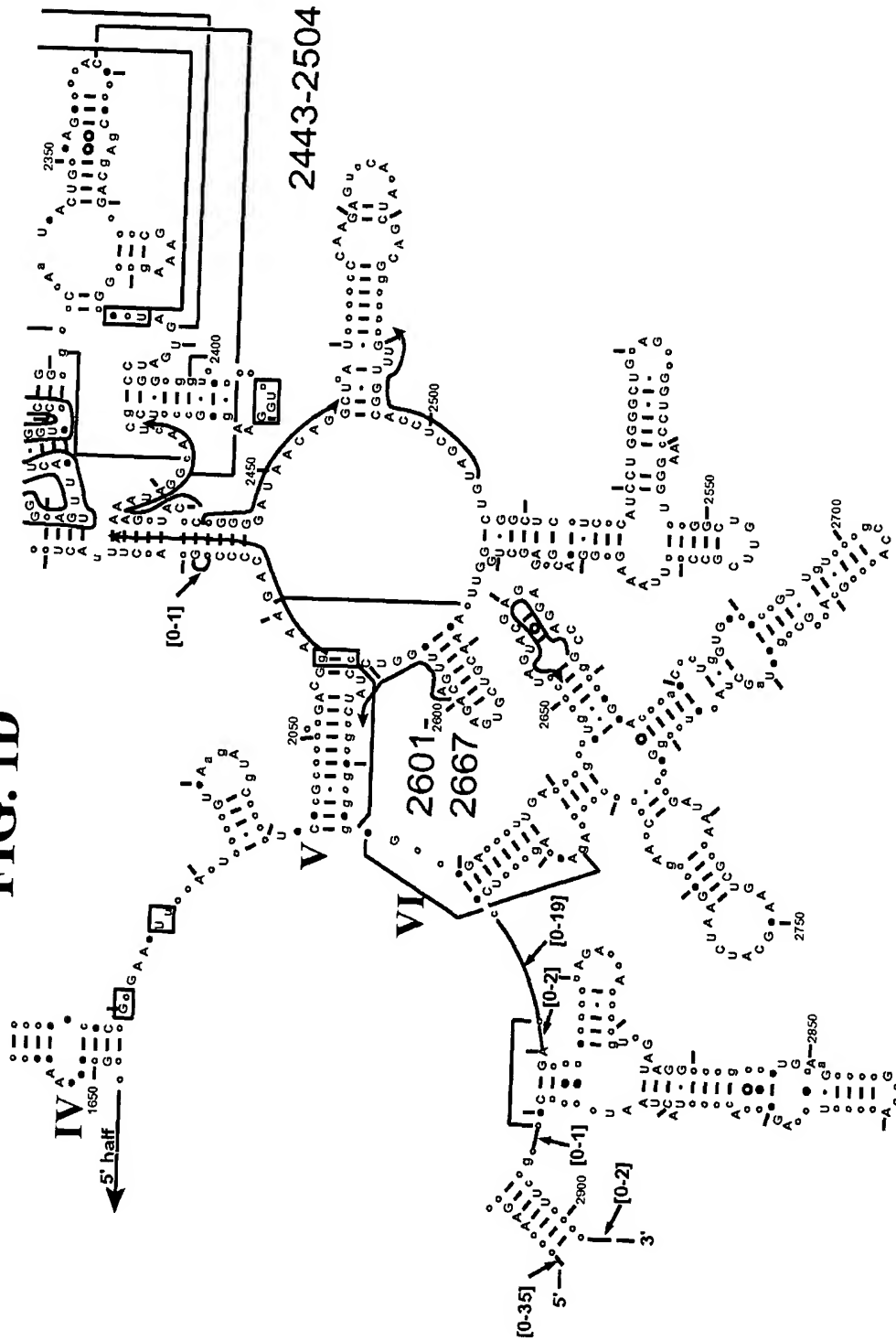
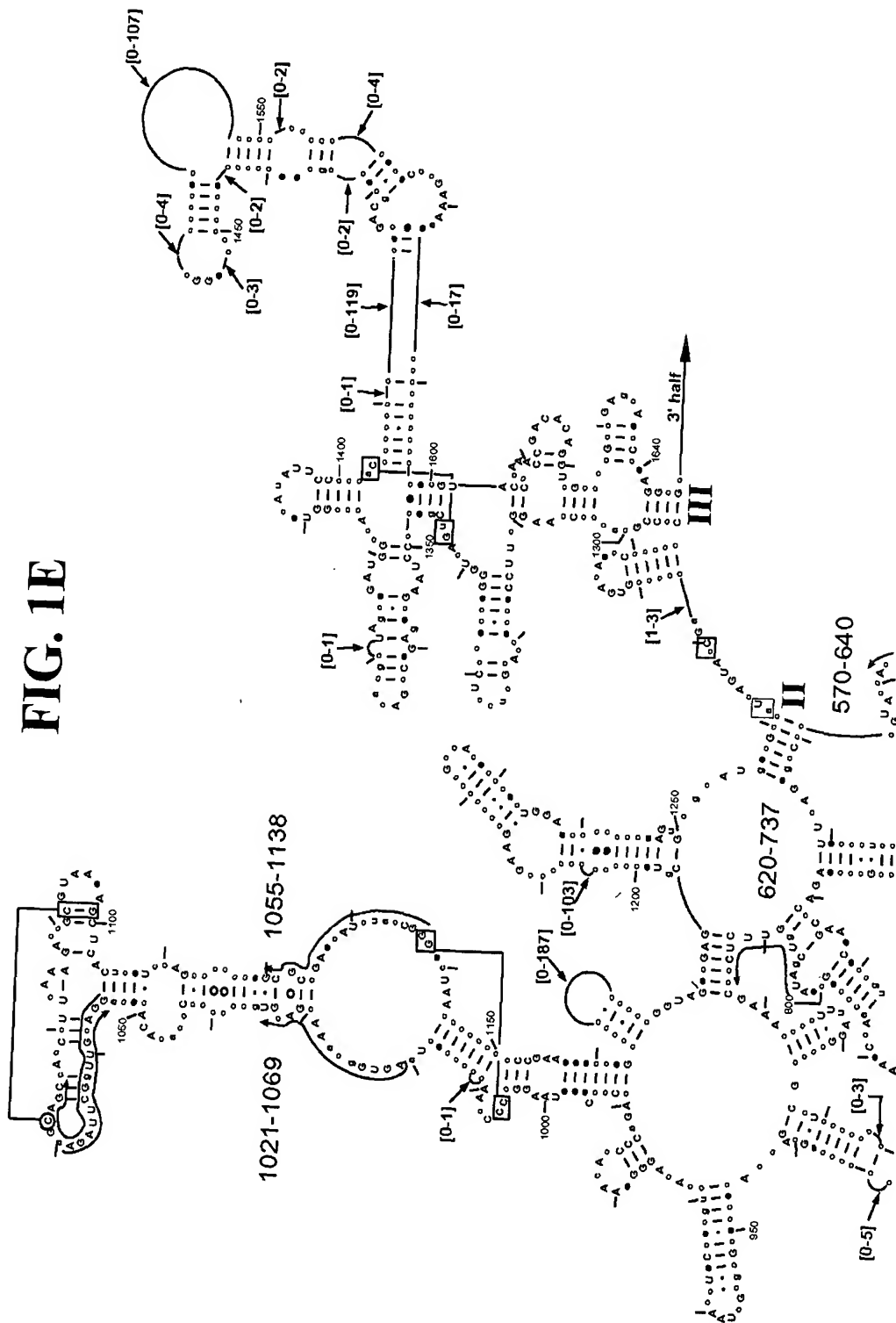


FIG. 1B



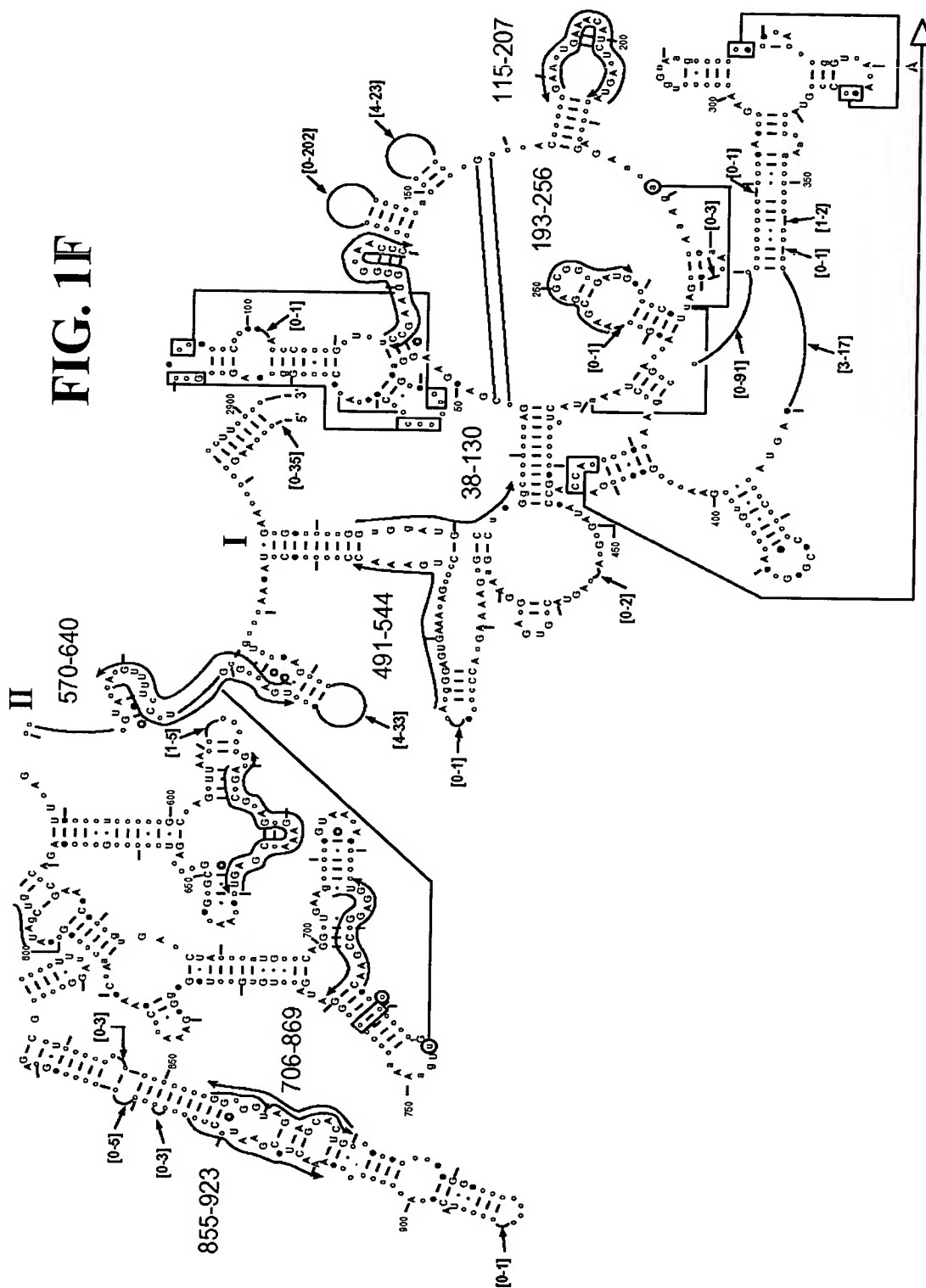


FIG. 1H

1840-1903

[0-4] [0-6]

1778-1841

1850

1800

1900

1688-1788

[6-53]

1700

1750

1950

FIG. 3

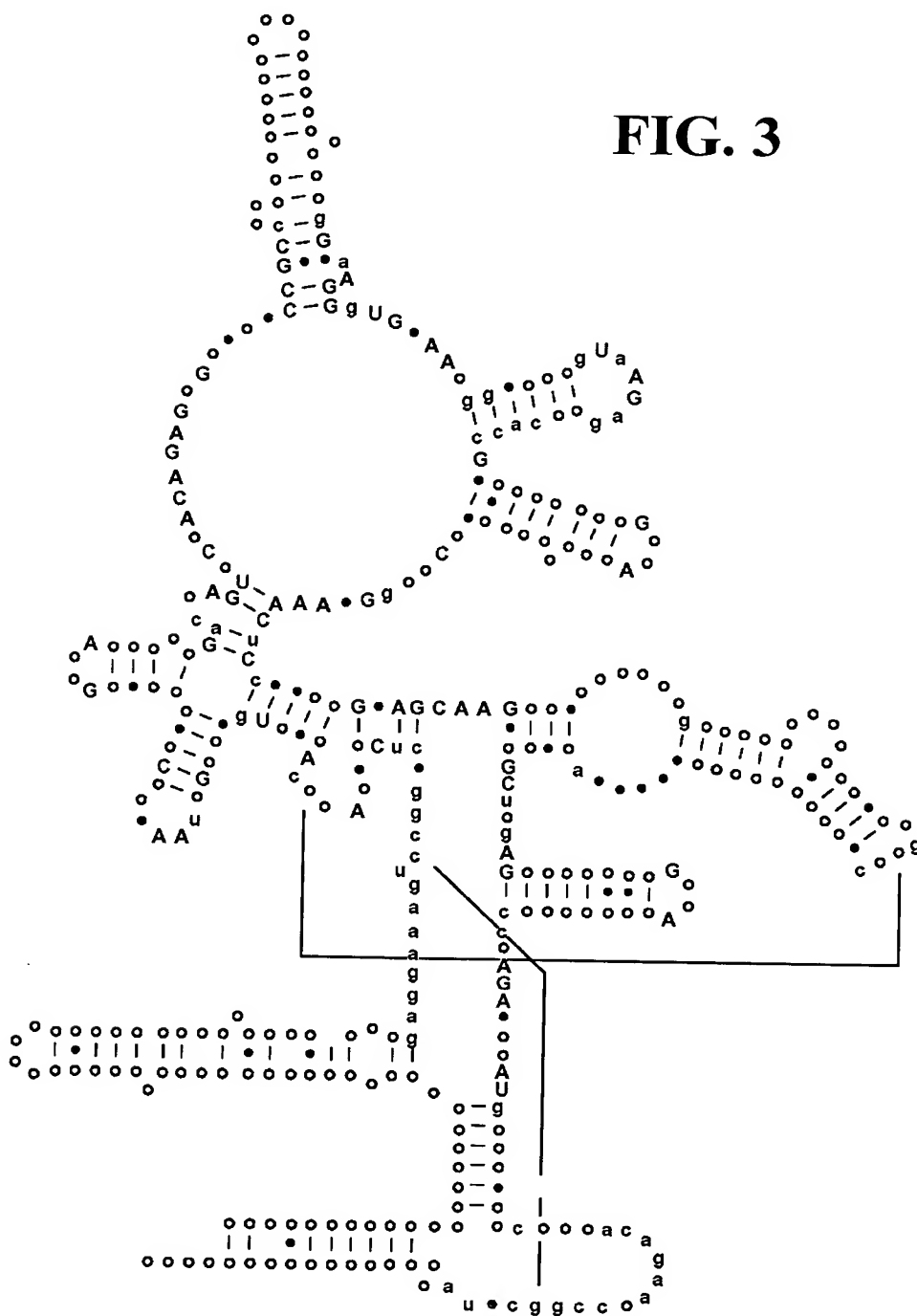


FIG. 4

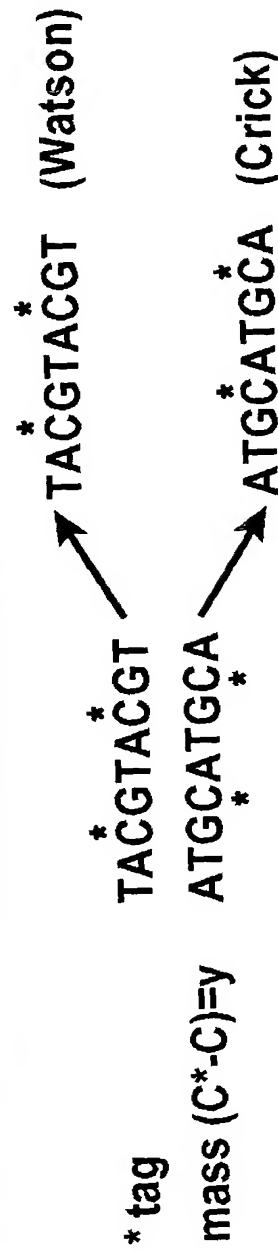
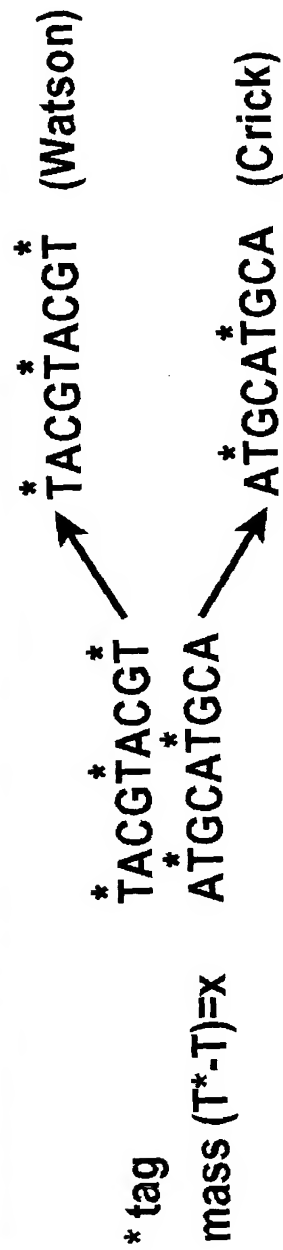


FIG. 5

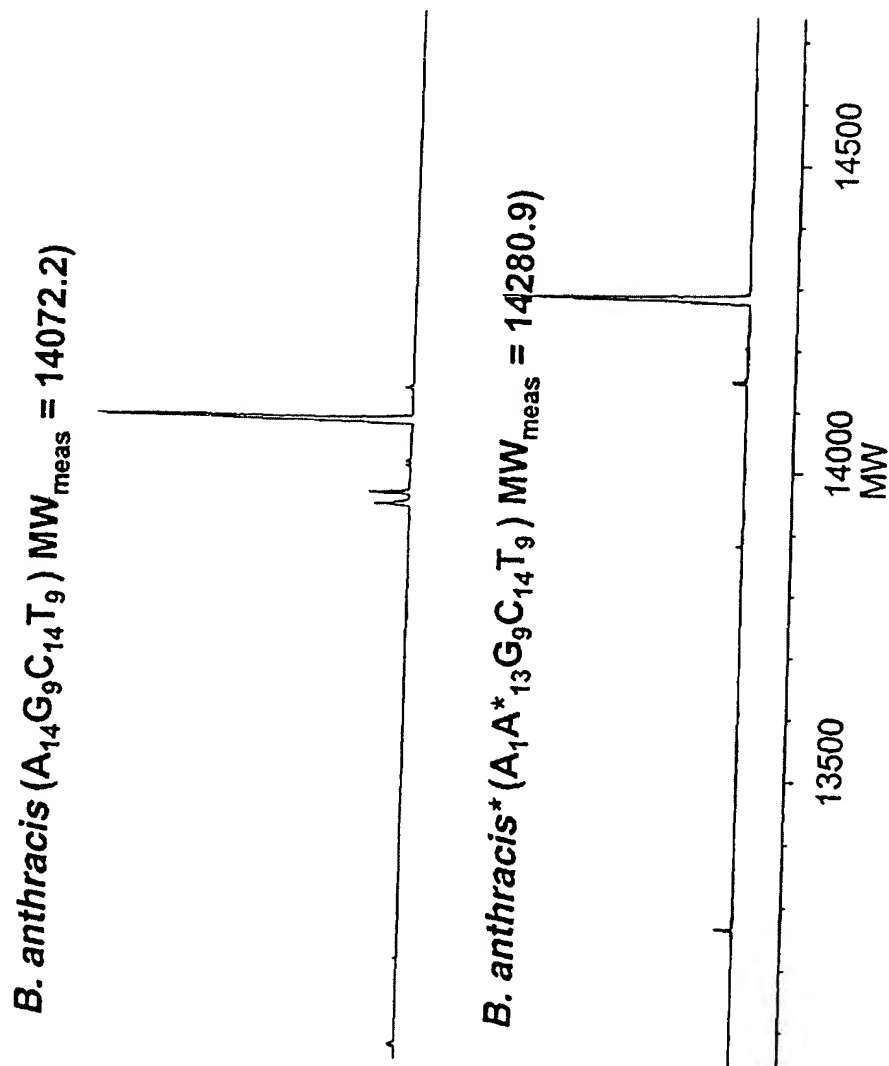


FIG. 6

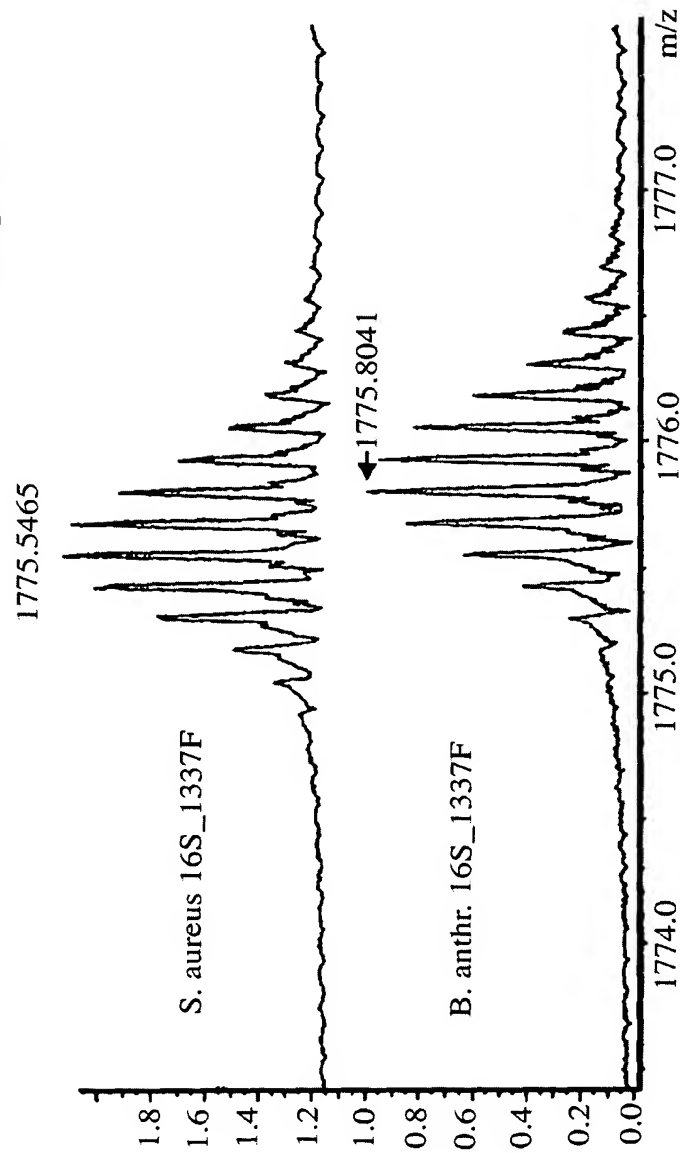


FIG. 7

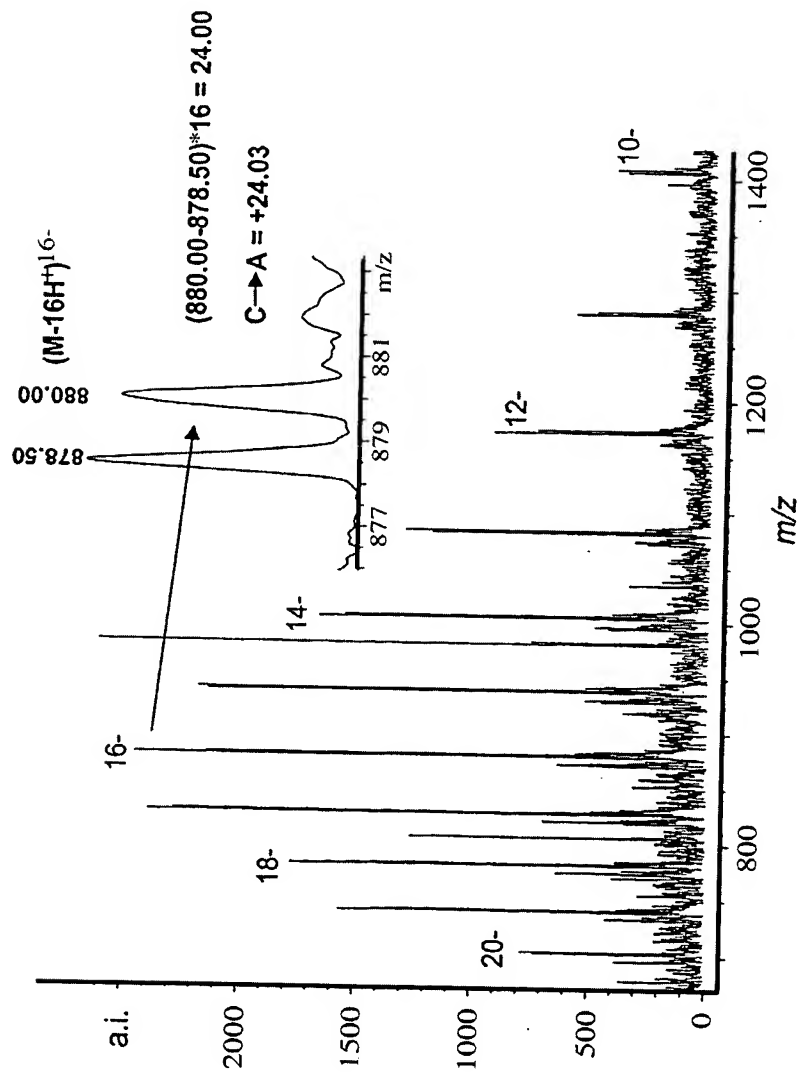


FIG. 8

ESI-TOF MS of sspE 56mer + Calibrant

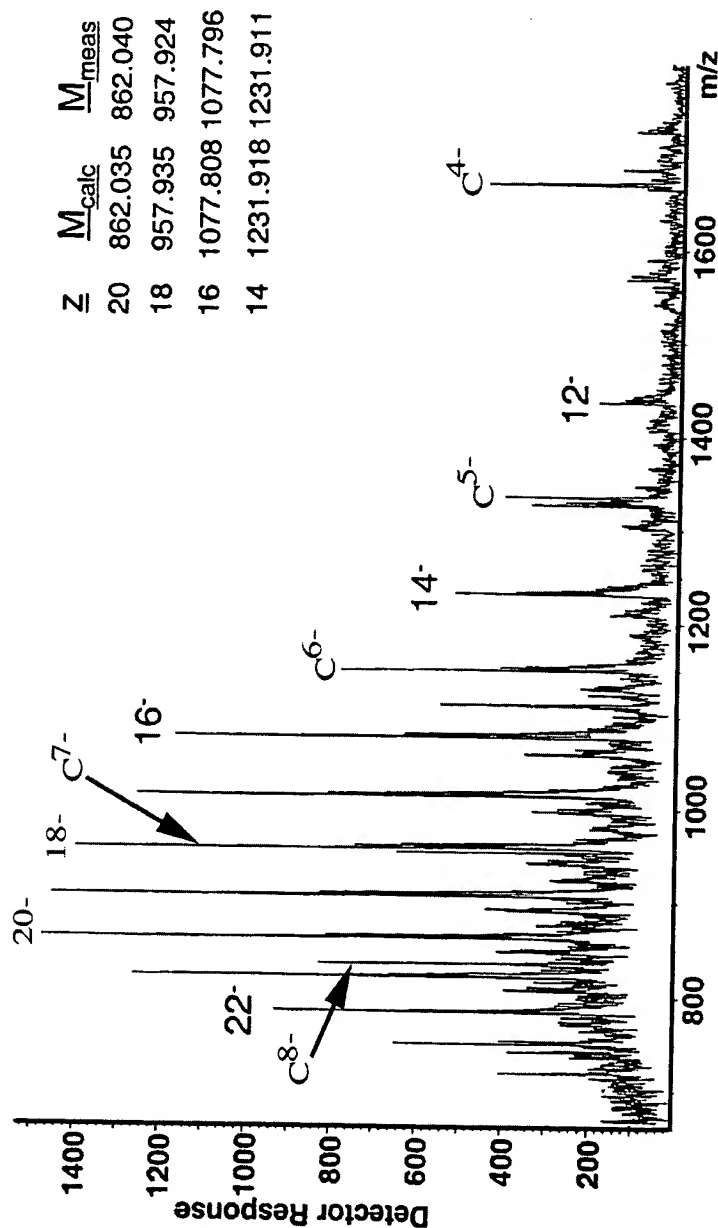


FIG. 9

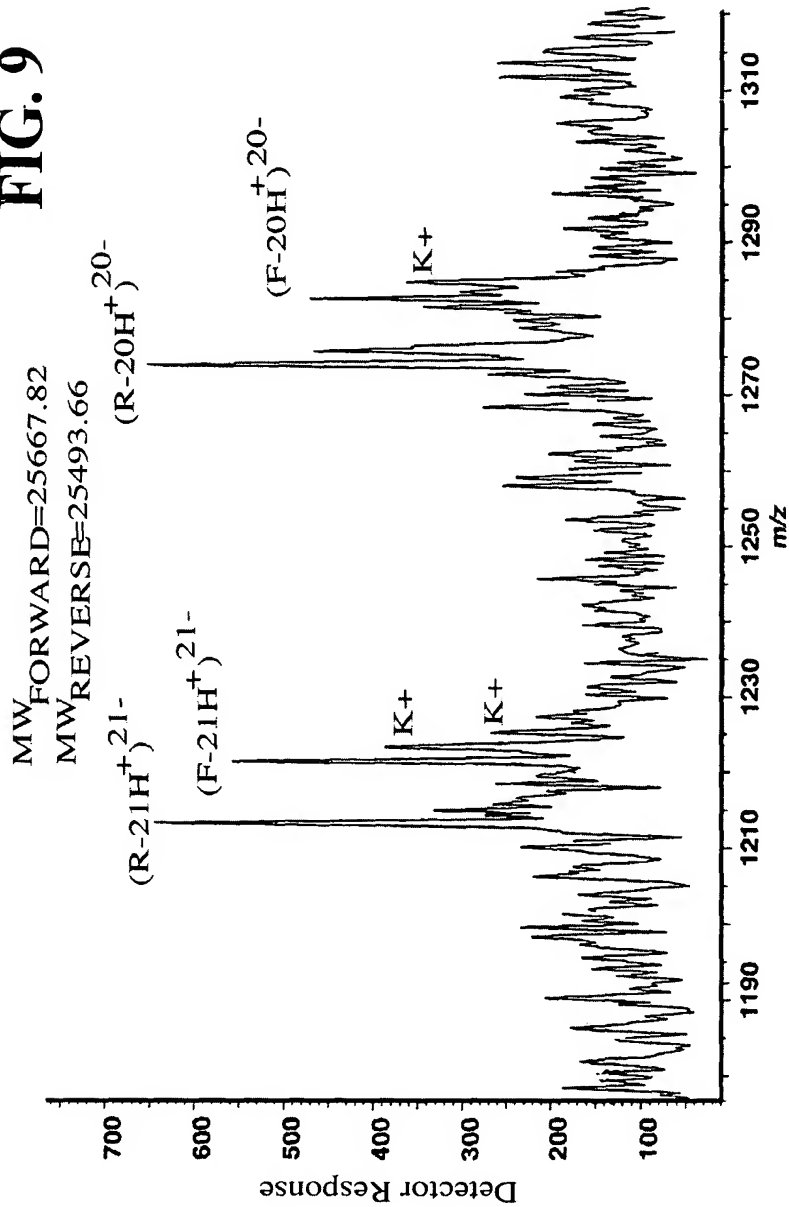


FIG. 10

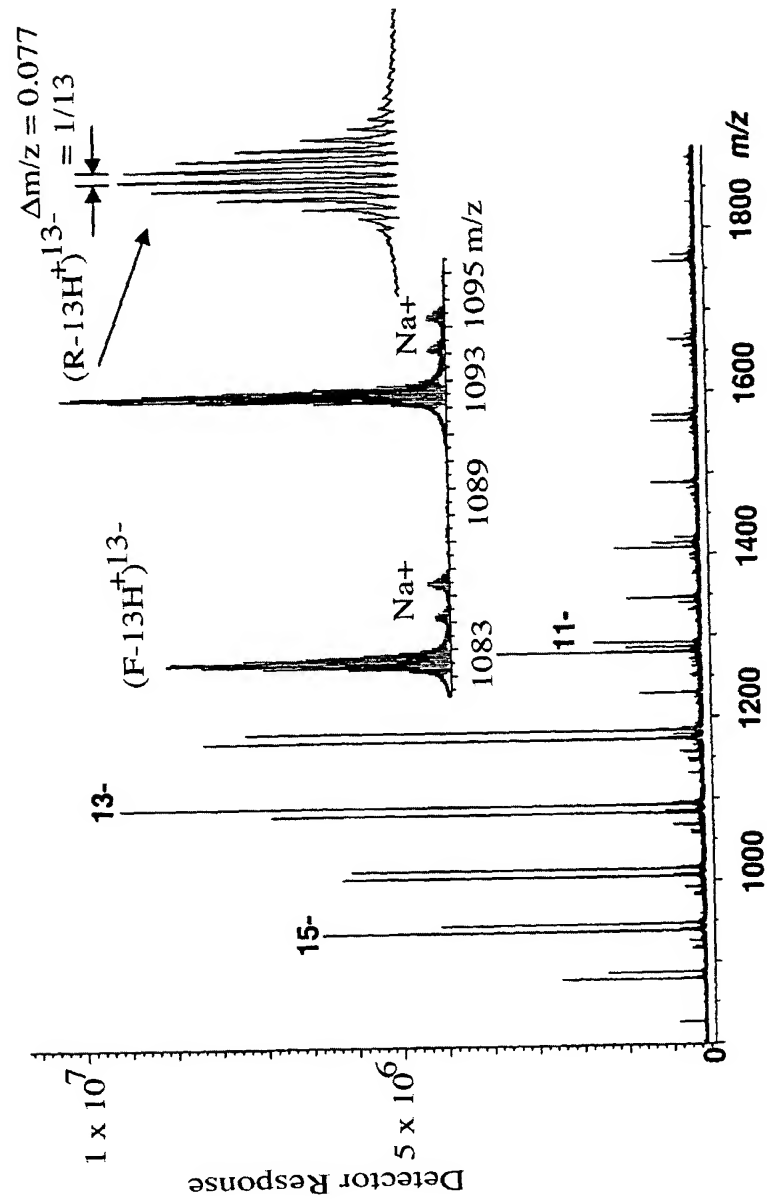


FIG. 11

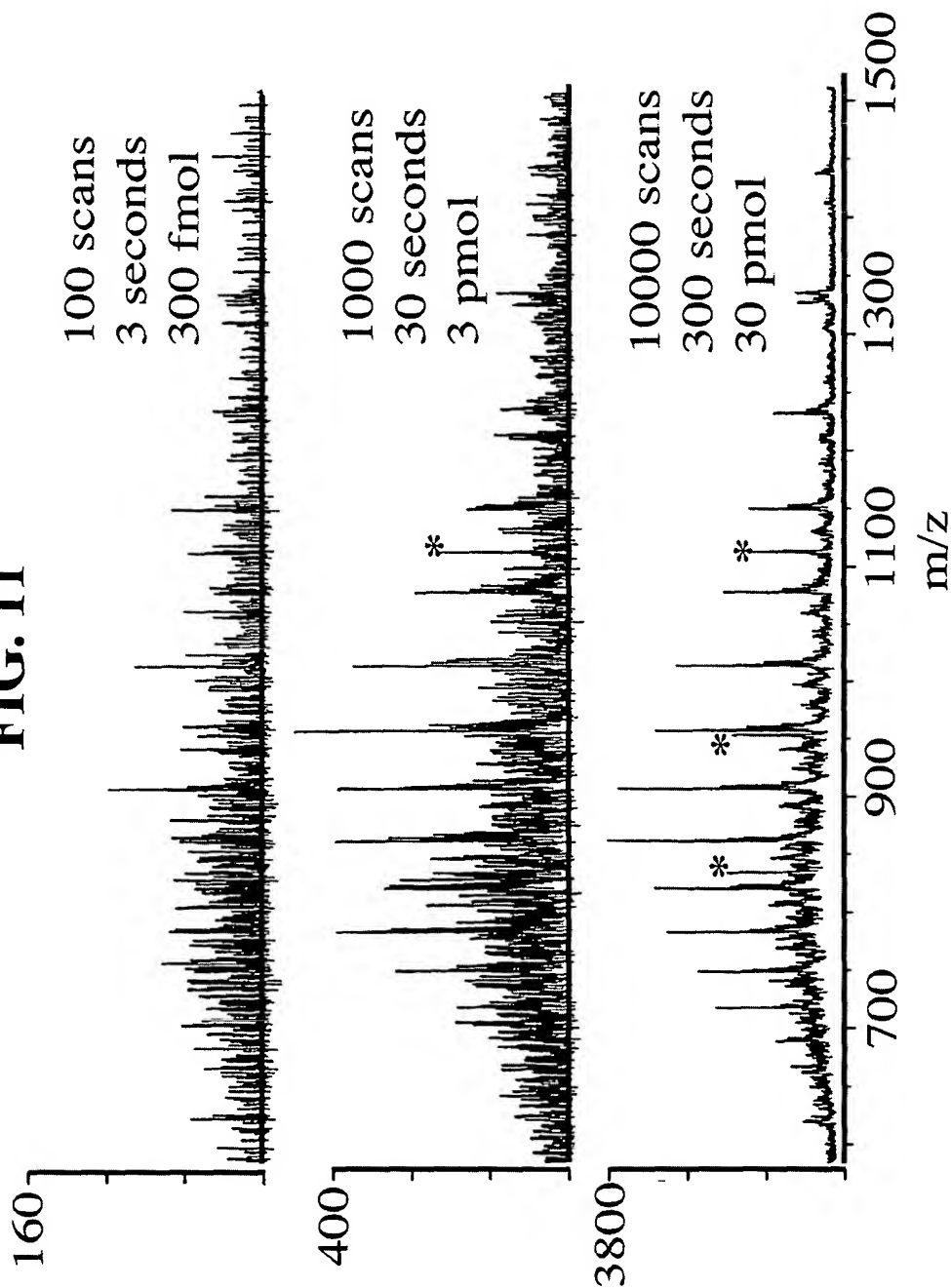


FIG. 12

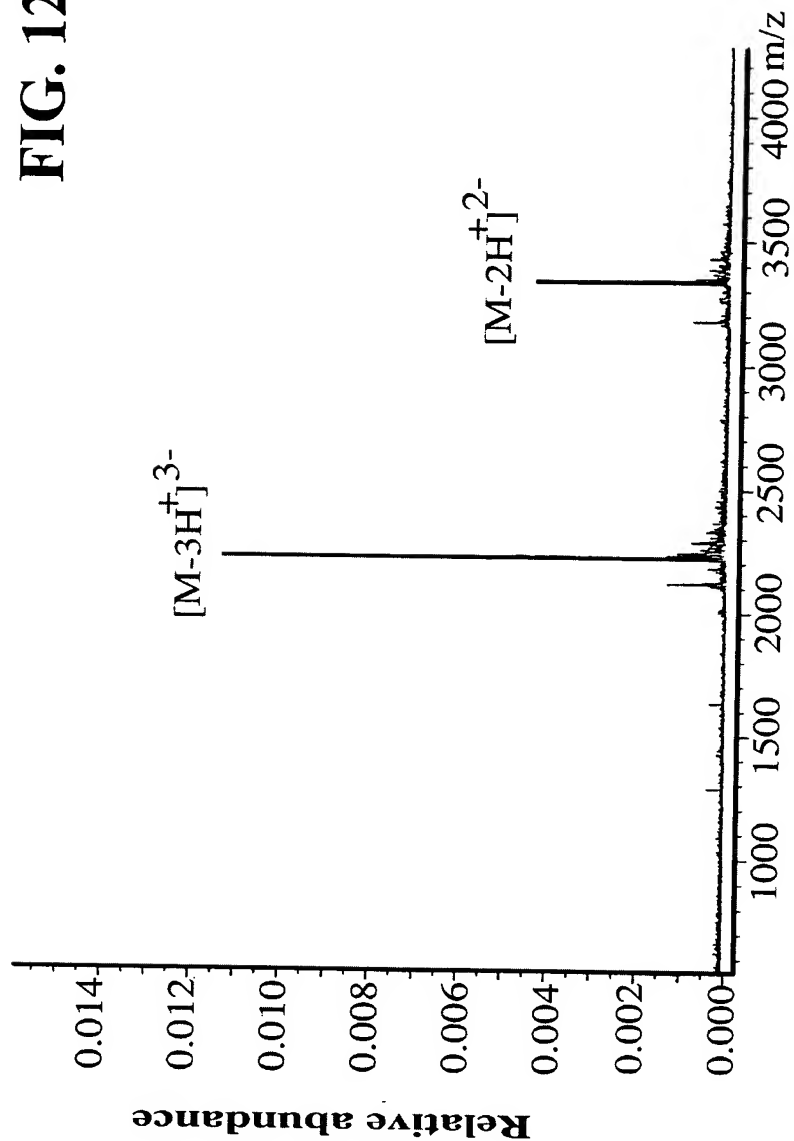


FIG. 13

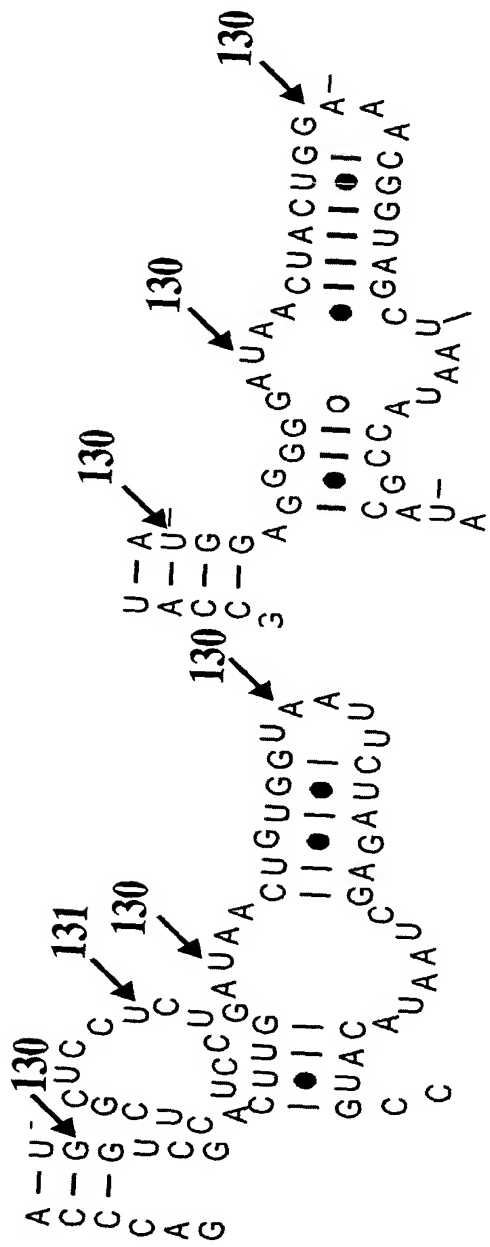
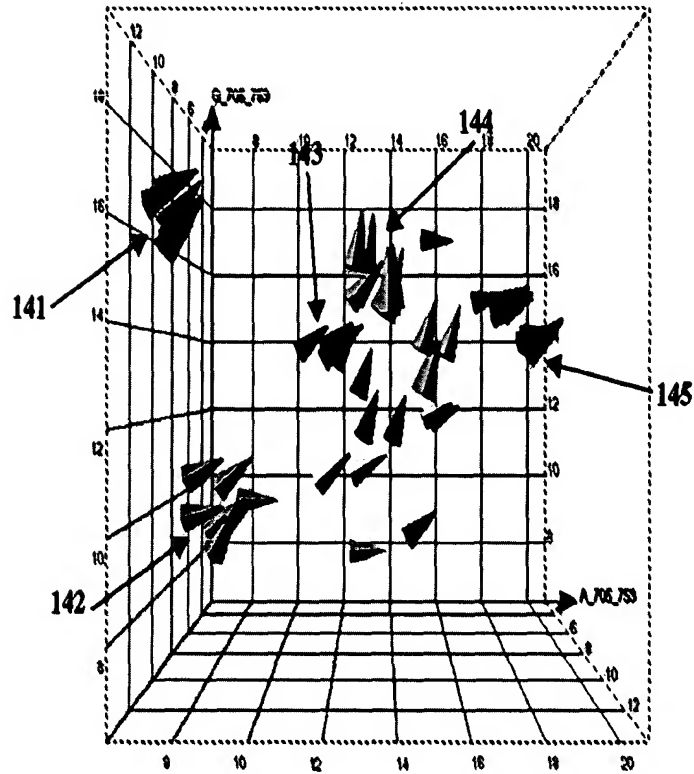


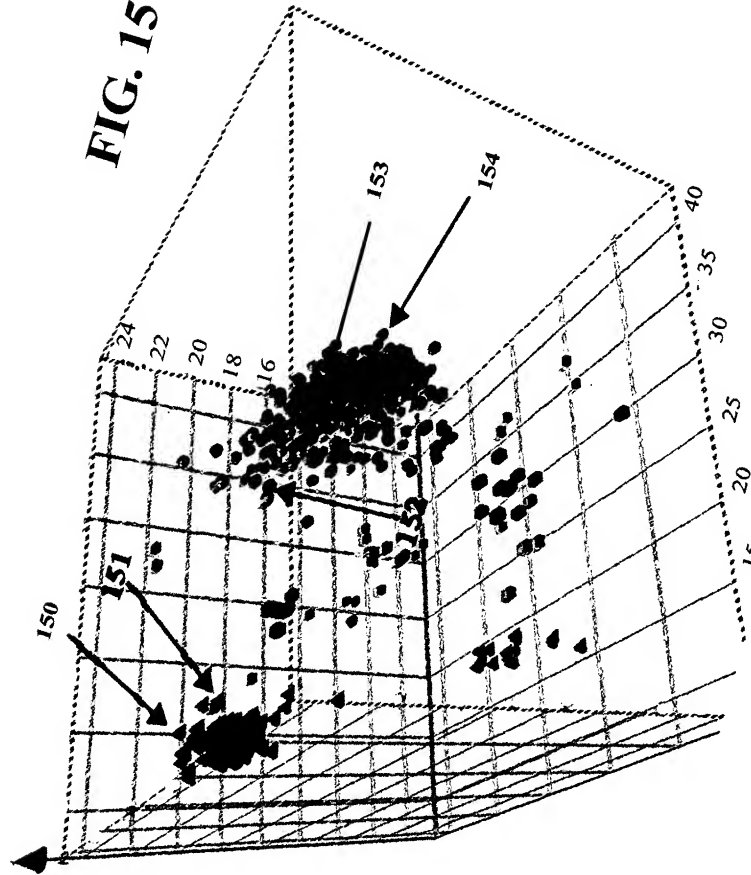
FIG. 14



Picorno RdRp 705-759

■ Encephalomyocarditis virus	□ Foot-and-mouth disease virus	■ Polio	□ Rhinovirus
□ Enterovirus	■ Hepatitis A virus	■ Porcine enterovirus	■ Simian Hepatitis A

FIG. 15



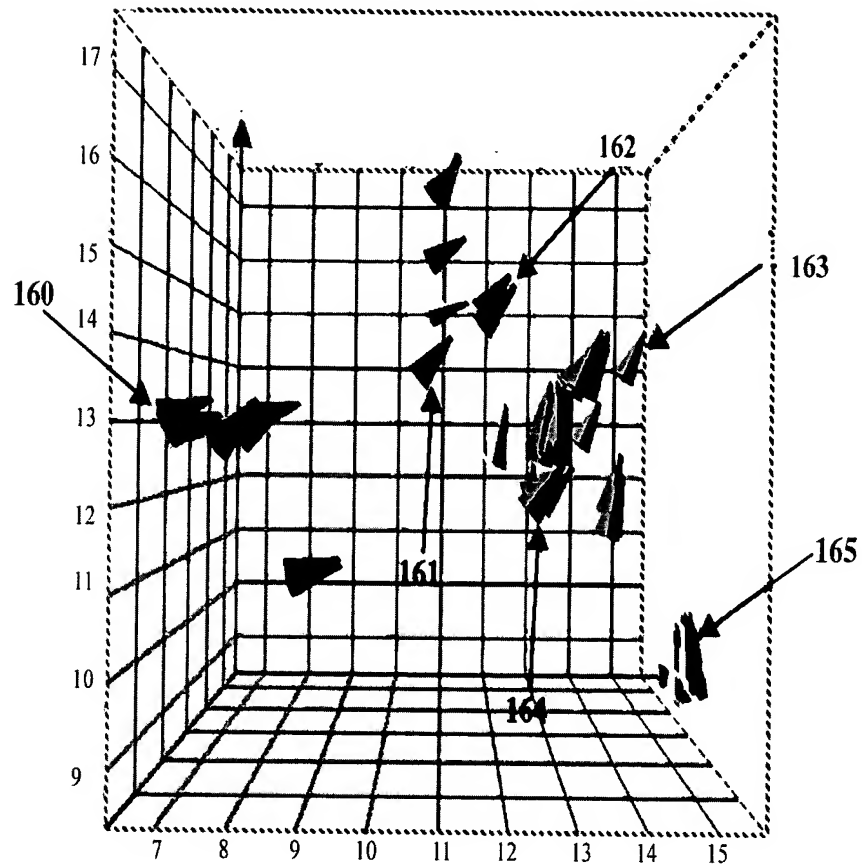
Immunodeficiency viruses

- Bovine IV
- HUMAN IV type 2
- Human IV type 1
- Simian IV
- Feline IV
- Chimpanzee IV

Hepatitis viruses

- ▲ Human Hepatitis B
- △ Snow Goose Hepatitis B
- △ Duck Hepatitis B
- ▲ Woodchuck Hepatitis B
- △ Woodchuck Hepatitis 7

FIG. 16



Flavi RdRp 2453-2493

- | | | |
|---------------------|------------------------------------|---------------------------------|
| ■ Dengue virus type | ■ Japanese encephalitis virus | ■ Tick-borne encephalitis virus |
| □ Dengue virus type | ■ Kunjin virus | ■ West Nile virus |
| ■ Dengue virus type | □ Murray valley encephalitis virus | □ Yellow fever virus |

FIG. 17

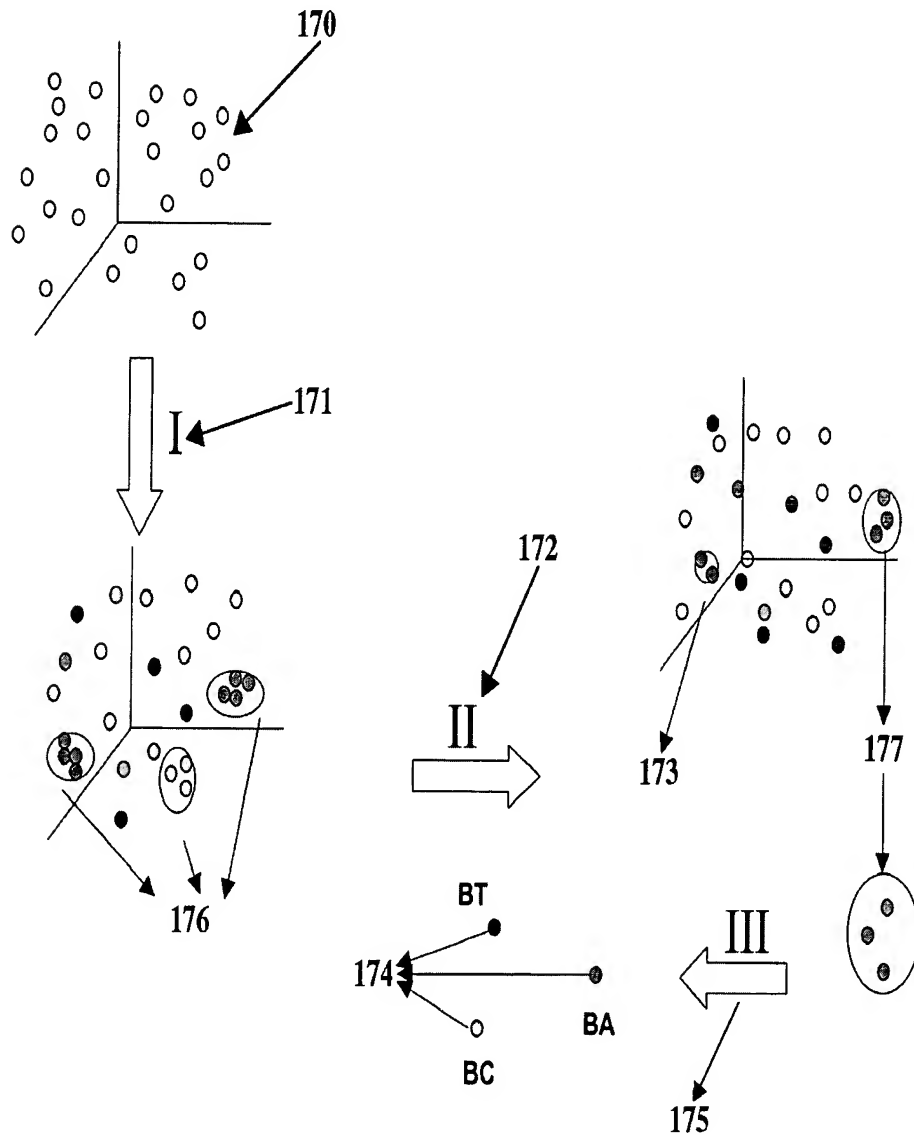


Figure 18

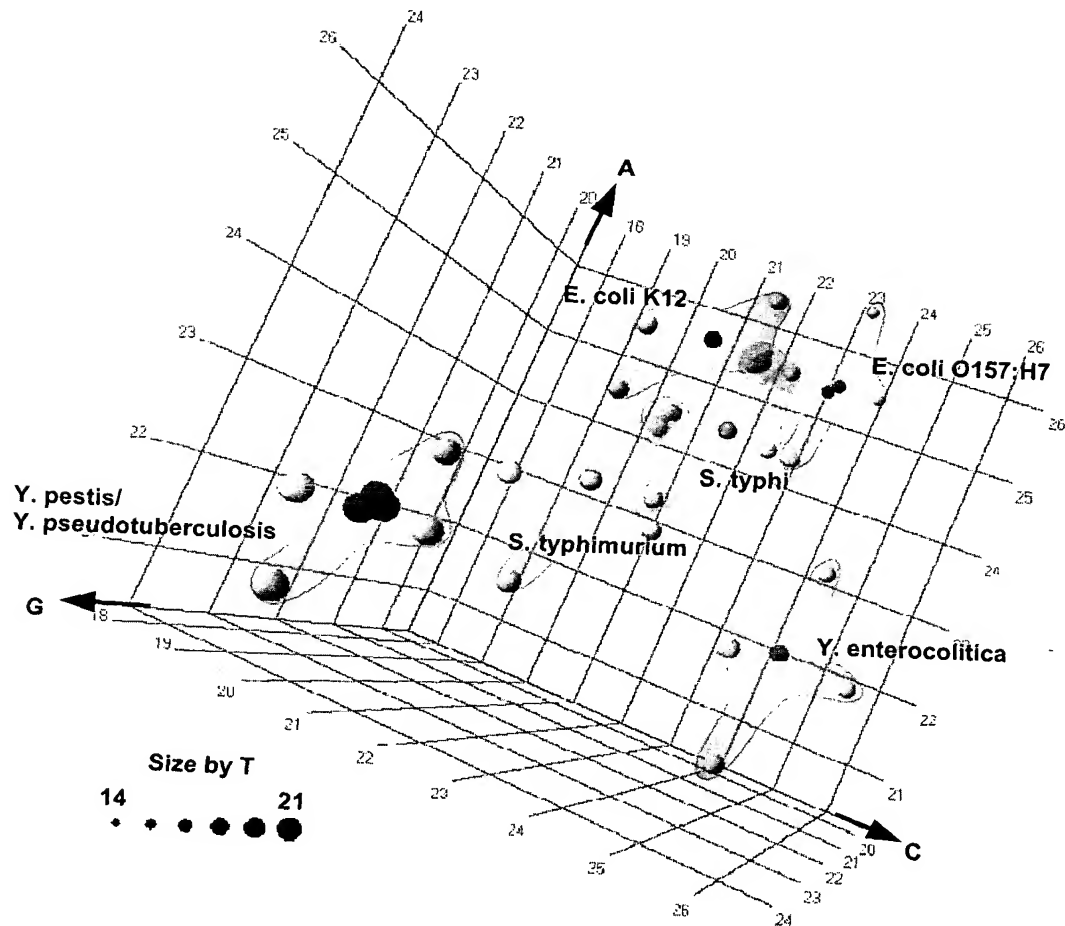
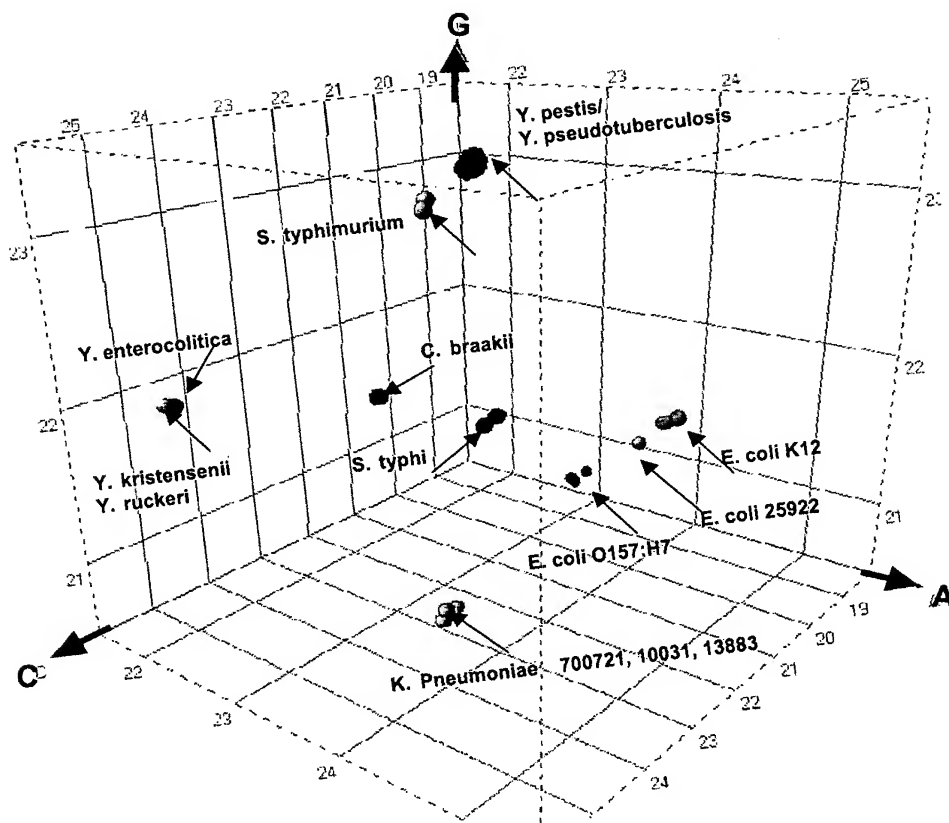


Figure 19



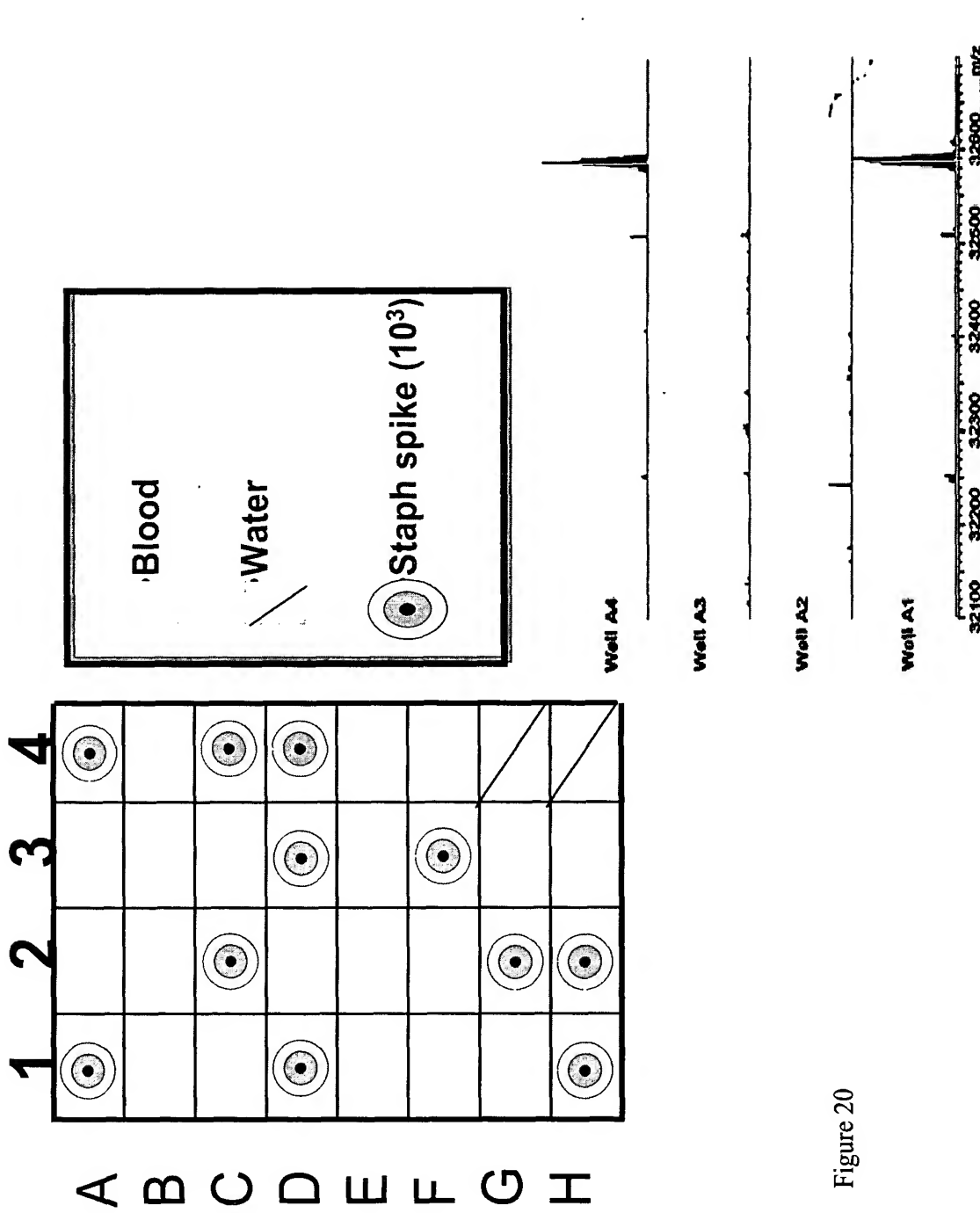


Figure 20

Figure 21

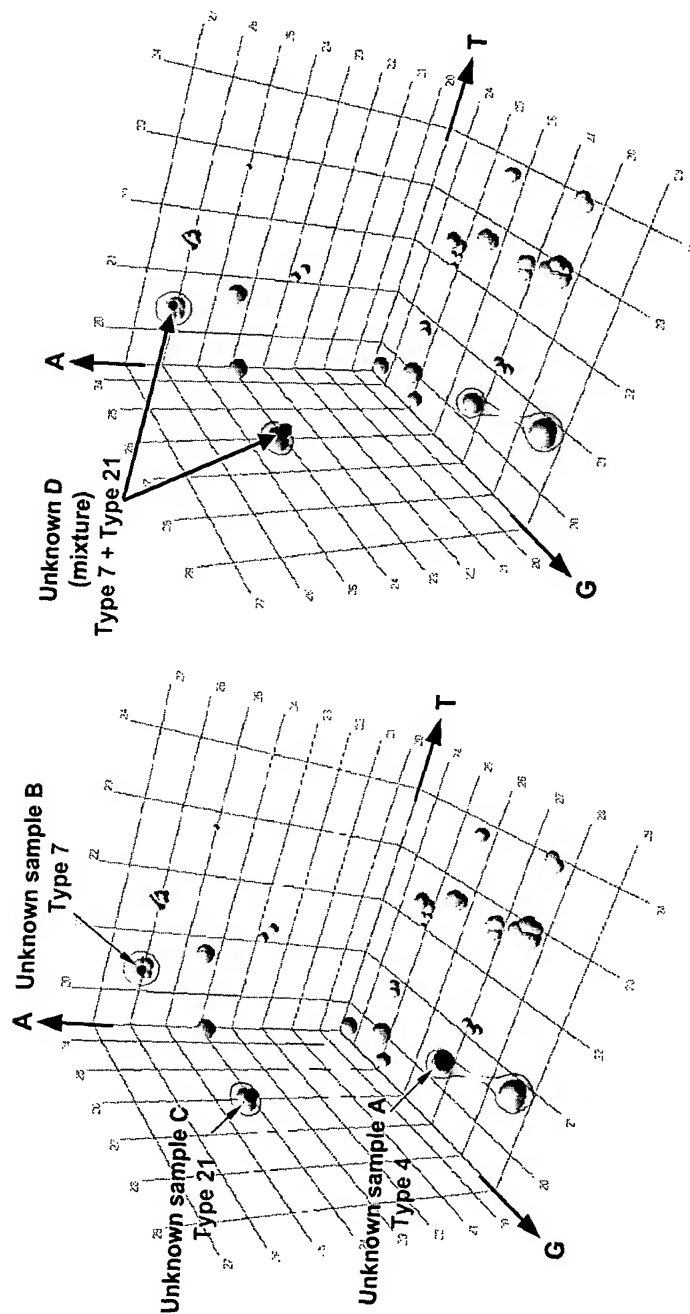


Figure 22

Universal Survey/Drill-Down Process

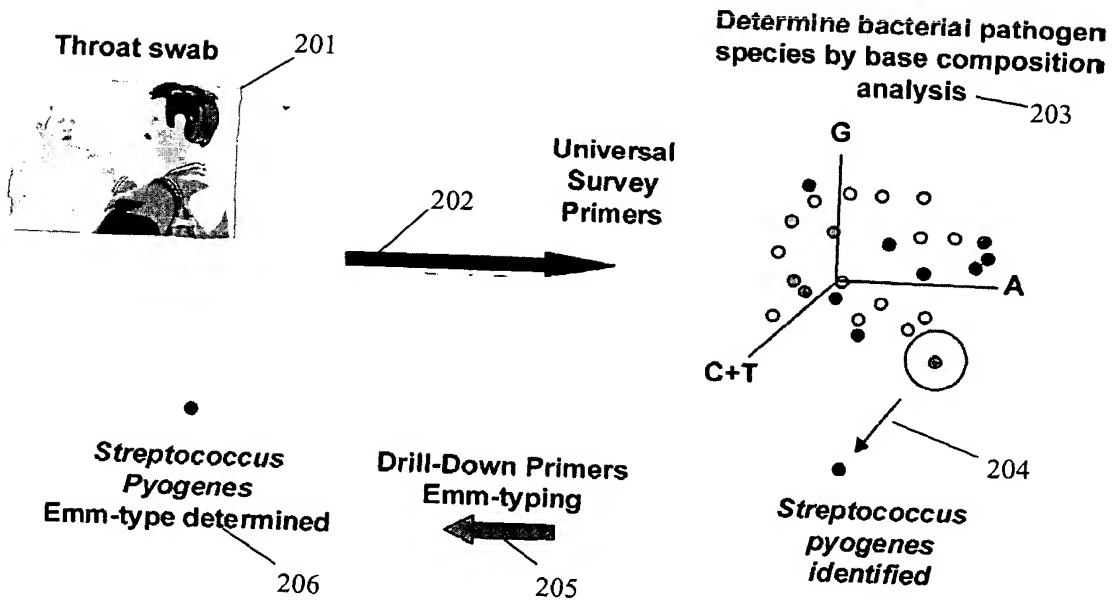


Figure 23
 Base Composition Signatures from primer pair 14 (16S rRNA)

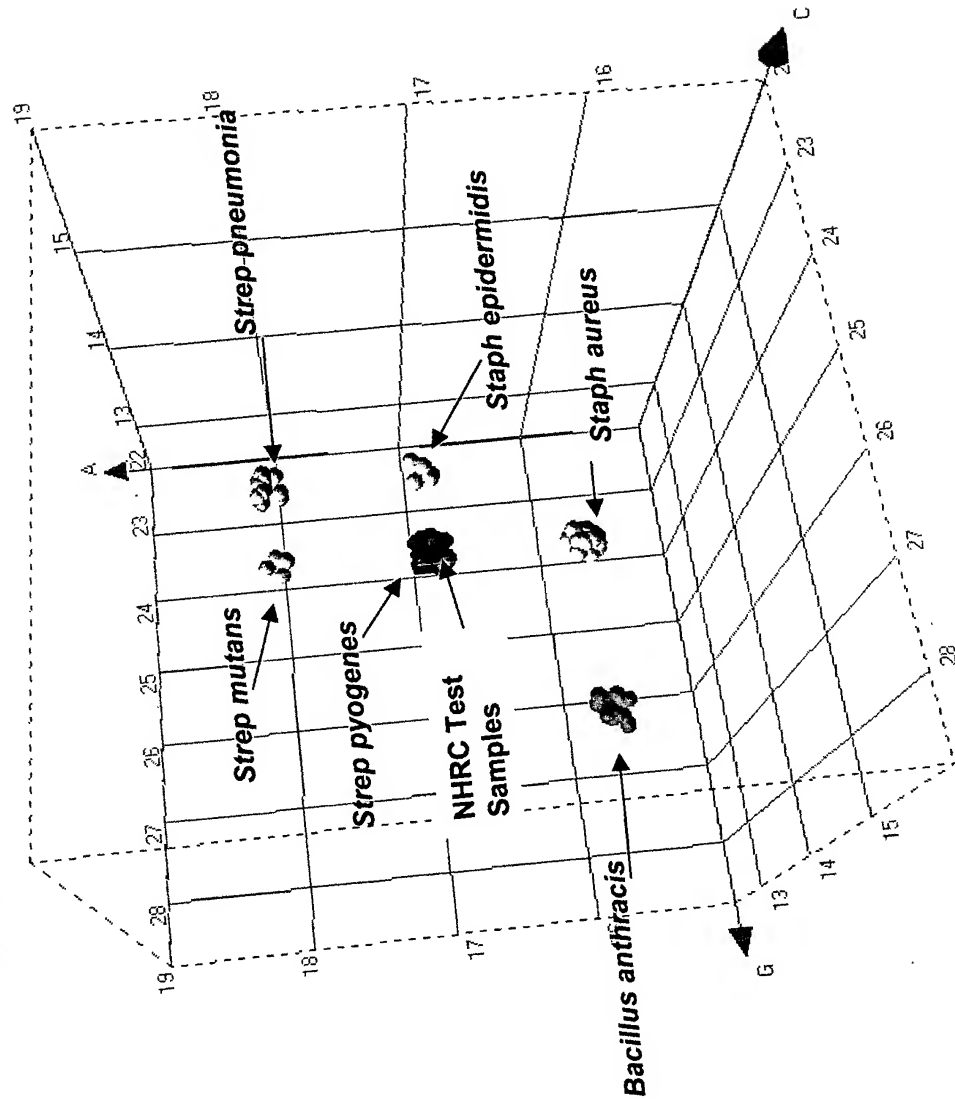
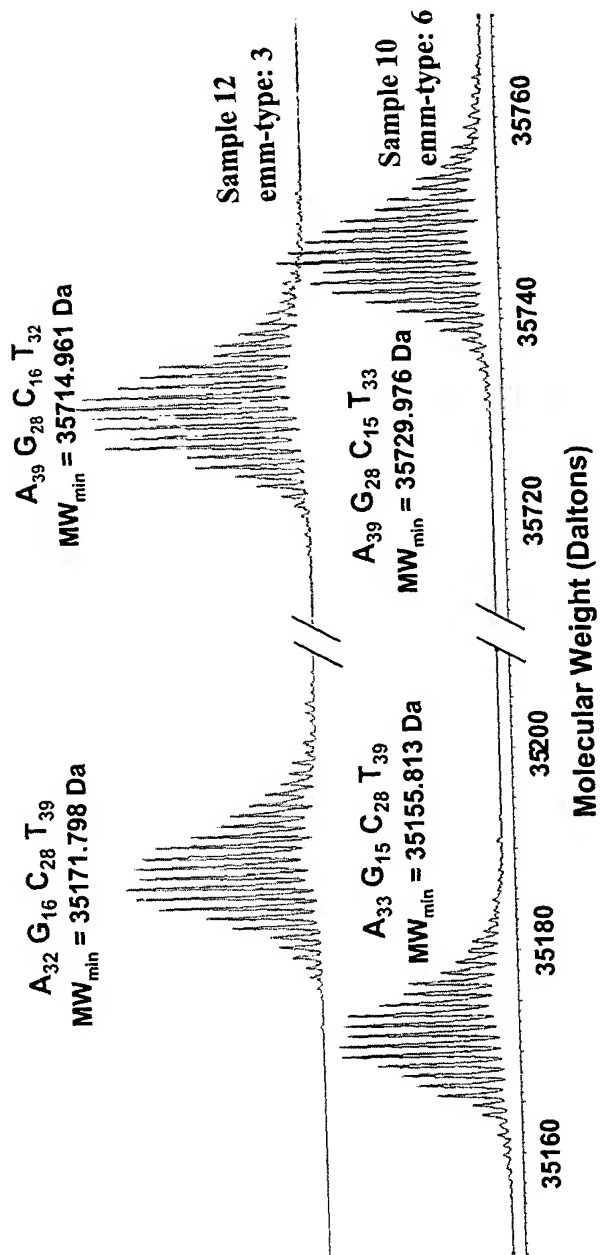


Figure 24



[illegible]

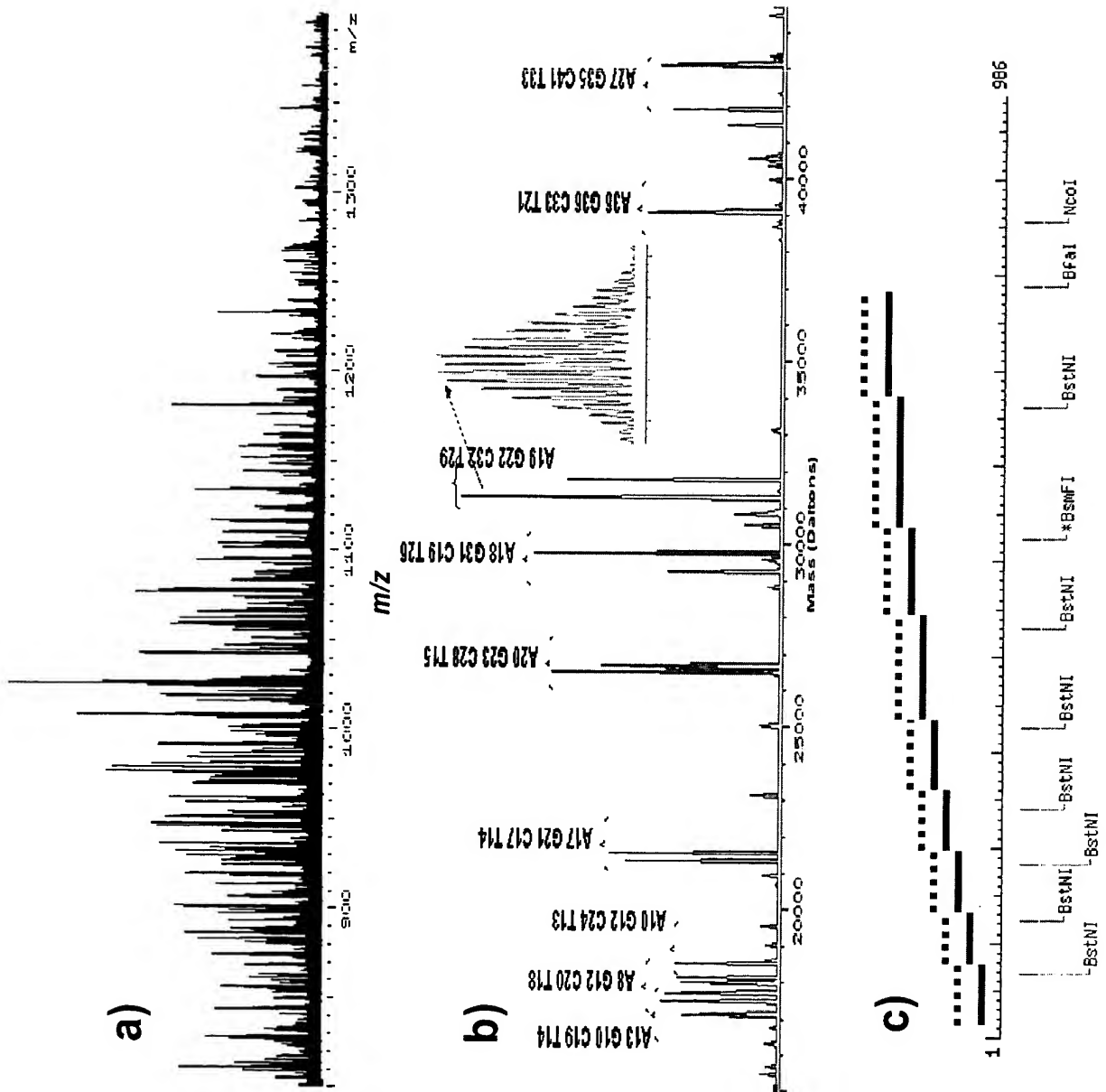


Figure 27

